

## Acrylic Flowmeter Model A32

The SCOTT™ A32 Series flowmeter provides an exceptionally economical means to measure low flowrates of noncorrosive gases and liquids. Built to provide years of reliable service, this flowmeter measures flow at low pressures with  $\pm 5\%$  accuracy.

Unlike flowmeters that are constructed of glass, the SCOTT A32 Series body and tube are machined from a clear acrylic block, making the meter virtually shatter proof. A direct reading scale for air in both standard liters per minute (sl/min) and standard cubic feet per hour (scfh) at 70°F (21°C) and 14.7 psia is provided on the meter body. A unique valve design allows for easy, precise flow control as well as bubble-tight shutoff.

**Important Note:** To avoid the possibility of personal injury or damage to equipment, be sure the gas or liquid you are measuring with this unit is compatible with acrylic.



### Benefits/Features

- Single piece body and tube construction allow for easy disassembly and assembly for cleaning.
- Threaded fittings with hex nuts permit front panel mounting.
- Large numbers and graduations enhance readability.
- Dual-scale allows flowrate to be read in standard liters per minute (sl/min) and standard cubic feet per hour (scfh).
- Built-in needle valve allows bubble tight shutoff.

### Specifications

**Operating Pressure:** 100 psig (7 bar) maximum

**Operating Temperature:** 150°F (66°C) maximum

**Accuracy:**  $\pm 5\%$  of full scale from 10% to 100% of range (each tube)

**Tube Graduations:** standard liters per minute (sl/m) and standard cubic feet per hour (scfh) of air

**Inlet Connection:** 1/8" NPT female

**Outlet Connection:** 1/8" NPT female

**Weight:** 0.5 lbs. (0.23 kg)

### Materials of Construction

**Body and Tube:** Machined acrylic

**Float:** As shown in table below

**Connection Fittings and Valve:** Brass

**Seals:** Viton®

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Carboloy is a registered trademark of SECO Tools, Inc.

Model Number	Float Material	Air Flowrate Range at 70°F and 14.7 psia Actual Graduations	
		scfh	sl/min
Q2-A32A	Glass	2.8	1.4
Q2-A32B	Stainless Steel	5.5	2.75
Q2-A32C	Carboloy®	7.0	3.5
Q2-A32D	Glass	18.0	8.5
Q2-A32E	Stainless Steel	32.5	16
Q2-A32F	Carboloy®	45	22
Q2-A32G	Stainless Steel	100	50

